

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions of the claims and listing of the claims in the application:

1. **(Currently Amended)** ~~A~~ An isolated DNA involved in the regeneration ability of plants, wherein the DNA is ~~any one of (a) to (d)~~ selected from the group consisting of:
 - (a) a DNA encoding a protein comprising the amino acid sequence of SEQ ID NO: 3;
 - (b) a DNA comprising a coding region of the nucleotide sequence of SEQ ID NO: 1 or 2;
 - (c) a DNA encoding a protein comprising an amino acid sequence with one or more amino acid substitutions, deletions, additions, and/or insertions in the amino acid sequence of SEQ ID NO: 3; and
 - (d) a DNA that hybridizes under stringent conditions with a DNA comprising the nucleotide sequence of SEQ ID NO: 1 or 2.
2. **(Currently Amended)** ~~A~~ An isolated DNA encoding a partial peptide of a protein comprising the amino acid sequence of SEQ ID NO: 3.
3. **(Currently Amended)** ~~A~~ An isolated DNA comprising a promoter region of the nucleotide sequence of SEQ ID: 1 or 2.
4. **(Original)** A vector comprising the DNA of claim 1 or 2.
5. **(Original)** A vector comprising the DNA of claim 3.
6. **(Original)** A host cell carrying the vector of claim 4.
7. **(Original)** A plant cell carrying the vector of claim 4.
8. **(Original)** A plant transformant comprising the plant cell of claim 7.

9. **(Original)** A plant transformant that is a progeny or a clone of the plant transformant of claim 8.
10. **(Original)** A propagation material of the plant transformant of claim 8 or 9.
11. **(Original)** A method for producing a plant transformant, wherein the method comprises the steps of introducing the DNA of claim 1 or 2 into a plant cell, and regenerating a plant from said plant cell.
12. **(Original)** A protein encoded by the DNA of claim 1 or 2.
13. **(Original)** A method for producing the protein of claim 12, wherein the method comprises the steps of culturing the host cell of claim 6, and collecting a recombinant protein from said cell or the culture supernatant thereof.
14. **(Original)** An antibody that binds to the protein of claim 12.
15. **(Currently Amended)** ~~A~~ An isolated polynucleotide comprising at least 15 continuous nucleotides that are complementary to the nucleotide sequence of SEQ ID NO: 1 or 2, or a sequence complementary thereto.
16. **(Original)** A method for increasing the regeneration ability of a plant, wherein the method comprises the step of expressing the DNA of claim 1 or 2 in a cell of a plant.
17. **(Original)** An agent for altering the regeneration ability of a plant, wherein the agent comprises the DNA of claim 1 or 2, or the vector of claim 4 as an active ingredient.
18. **(Original)** A method for determining the regeneration ability of a plant cell, wherein the method comprises the step of detecting the expression of the DNA of claim 1 or the protein of claim 12 in the plant cell.

19. **(Original)** A method for determining the regeneration ability of a plant cell, wherein the method comprises the step of detecting the activity of the protein of claim 12 in the plant cell.
20. **(Original)** A method for improving the regeneration ability of a plant, wherein the method comprises the step of regulating the activity of the endogenous protein of claim 12 in the plant.
21. **(Original)** A method for selecting a transformed plant cell, wherein the method comprises the steps of:
- (a) introducing a plant cell with a vector comprising the DNA of claim 1 or 2 as a selection marker; and
 - (b) culturing the plant cell and selecting plant cells that have acquired regeneration ability.
22. **(Original)** A method for altering the regeneration ability of a plant, wherein the method comprises the step of substituting the endogenous DNA of claim 1 or 2 in a plant by crossing.